LTH236 SERIES

DC/ DC Converter 12V input: 240 Watts





General Specifications

Input Voltage 12VDC (10-16)

Input Protection Reverse polarity protection.

Inrush current limiting

Input Fuse

Isolation Input - Output 500vdc

Input - Chassis 500vdc Output - Chassis 500vdc

Efficiency Model dependent , typically 80%

Output voltage See tables
Output Power 240 watts

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Voltage adjustment

Customer specified, typically 5%

Regulation Output voltage dependant

Typically: ±3-5%

Output Protection Over voltage protection

Constant Current limiting & short circuit

protection

EMI EN55022 class A

Immunity EN61000-4

Shock & Vibration Designed to meet IEC61373 Cat 1 A & B

Operating Temp. $0^{\circ}\text{C to } +50^{\circ}\text{C at full load.}$ $+70^{\circ}\text{C at } 50^{\circ}\text{ load.}$

Dimensions 254 x 113 x 58mm 1.2kg (F2)

Features

- Designed for 12VDC input applications
- 240 watts output power
- Convection cooled: No fans
- Over voltage protection
- Overload and short circuit protection
- MTBF > 130,000hrs
- Specials output voltage options
- Any output from 24vdc ~ 130vdc possible
- **N+1** Redundancy Applications option
- Output DC Fail alarm -Option
- Battery Charging applications Option
- 19in Rack Mount Option

Description

The **LTH236** Series DC/DC converter, was designed for **12VDC input** applications and is part of a wider range of units that are available with input voltage options up to 600VDC

It is a mature design with a proven track record in many applications. The unit is equipped with reverse polarity protection on the input, surge protection and input & output filtering.

Cooling is by natural convecti on and optional ruggedizing & conformal coating is available, for immunity to shock, vibration, humidity, moisture, dust and insects.

An optional redundancy diode allows parallel connection to achieve higher output power or N+1 redundancy. This chassis-mount design is optimized for low component count and high efficiency.

Options

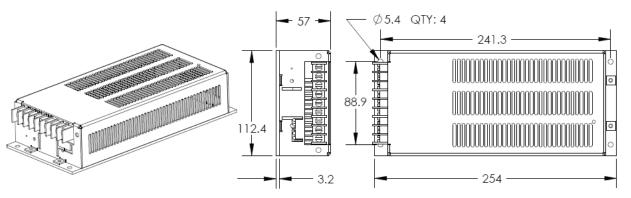
Output Voltage Special voltage output, up to 130VDC

Alarm Voltage Free contacts

N+1 Redundancy Output redundancy diode for parallel operation

Eurocard Plug in Eurocard option: 3U x 14HP x 220mm

Model	Output V A		Power W
LTH236-12-13.8FT	13.8V	15A	200W
LTH236-12-24FT	24V	10A	240W
LTH236-12-28FT	28V	8.5A	240W
LTH236-12-36FT	36V	6.6A	240W
LTH236-12-48FT	48V	5A	240W
LTH236-12-110FT	110V	2.1A	240W



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